

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (canceled)
2. (canceled)
3. (canceled)
4. (currently amended) A method for receiving in a receiving piconet device an information packet transmitted from a transmitting piconet device within a piconet network, comprising:
 - determining a center frequency of a channel used to transmit at least a portion of said information packet;
 - looking up a past frequency offset value of said transmitting piconet device;
 - adjusting a center frequency of an expected frequency of said information packet in a receiving portion of said receiving piconet device; ~~and~~
 - receiving said information packet in said receiving piconet device;
 - and
 - replacing in said receiving piconet device said past frequency offset value for said transmitting piconet device with a new frequency offset calculated based on a calculated actual frequency offset.

5. (previously presented) The method for receiving in a receiving piconet device an information packet transmitted from a transmitting piconet device within a piconet network according to claim 4, further comprising:

altering a local oscillator of said receiving piconet device wherein a transmit frequency of a transmitter of said receiving piconet device is offset by an amount approximately equal and opposite to a past amount of frequency offset calculated from a past information packet received from said transmitting piconet device.

6. (original) The method for receiving in a receiving piconet device an information packet transmitted from a transmitting piconet device within a piconet network according to claim 4, further comprising:

calculating an actual frequency offset based on said received information packet.

7. (previously presented) A method for receiving in a receiving piconet device an information packet transmitted from a transmitting piconet device within a piconet network, comprising:

determining a center frequency of a channel used to transmit at least a portion of said information packet;

looking up a past frequency offset value of said transmitting piconet device;

adjusting a center frequency of an expected frequency of said information packet in a receiving portion of said receiving piconet device;

receiving said information packet in said receiving piconet device;

calculating an actual frequency offset based on said received information packet; and

replacing in said receiving piconet device said past frequency offset value for said transmitting piconet device with a new frequency offset calculated based on said calculated actual frequency offset.

8. (original) The method for receiving in a receiving piconet device an information packet transmitted from a transmitting piconet device within a piconet network according to claim 4, wherein:

said receiving piconet device and said transmitting piconet device are each BLUETOOTH devices.

9. (currently amended) Apparatus for receiving in a receiving piconet device an information packet transmitted from a transmitting piconet device within a piconet network, comprising:

means for determining a center frequency of a channel used to transmit at least a portion of said information packet;

means for looking up a past frequency offset value of said transmitting piconet device;

means for adjusting a center frequency of an expected frequency of said information packet in a receiving portion of said receiving piconet device;
and

means for receiving said information packet in said receiving piconet device; and

means for replacing in said receiving piconet device said past frequency offset value for said transmitting piconet device with a new frequency offset calculated based on a calculated actual frequency offset.

10. (previously presented) The apparatus for receiving in a receiving piconet device an information packet transmitted from a transmitting piconet device within a piconet network according to claim 9, further comprising:

means for altering a local oscillator of said receiving piconet device wherein a transmit frequency of a transmitter of said receiving piconet device is offset by an amount approximately equal and opposite to a past amount of frequency offset calculated from a past information packet received from said transmitting piconet device.

11. (original) The apparatus for receiving in a receiving piconet device an information packet transmitted from a transmitting piconet device within a piconet network according to claim 9, further comprising:

means for calculating an actual frequency offset based on said received information packet.

12. (previously presented) Apparatus for receiving in a receiving piconet device an information packet transmitted from a transmitting piconet device within a piconet network, comprising:

means for determining a center frequency of a channel used to transmit at least a portion of said information packet;

means for looking up a past frequency offset value of said transmitting piconet device;

means for adjusting a center frequency of an expected frequency of said information packet in a receiving portion of said receiving piconet device;

means for receiving said information packet in said receiving piconet device;

means for calculating an actual frequency offset based on said received information packet; and

means for replacing in said receiving piconet device said past frequency offset value for said transmitting piconet device with a new frequency offset calculated based on said calculated actual frequency offset.

13. (original) The apparatus for receiving in a receiving piconet device an information packet transmitted from a transmitting piconet device within a piconet network according to claim 9, wherein:

said receiving piconet device and said transmitting piconet device are each BLUETOOTH devices.